



Listing of Claims

1-28. (Canceled)

29. (New) An isolated peptide or a fragment thereof, capable of converting a transcription factor into a transcriptional repressor, wherein:

(A) said isolated peptide consists of the amino acid sequence represented by Z1-Asp-Leu-Z2-Leu-Arg-Leu-Z3 (SEQ ID NO: 125), where Z1 denotes Leu, Asp-Leu, or Leu-Asp-Leu, Z2 denotes Glu, Gln, or Asp, and Z3 denotes 0 to 10 amino acid residues; and

(B) said fragment comprises the amino acid sequence represented by Asp-Leu-Z4-Leu-Arg-Leu (SEQ ID NO: 126), where Z4 denotes Glu, Gln, or Asp.

30. (New) An isolated protein or a fragment thereof, capable of converting a transcription factor into a transcriptional repressor,

wherein said isolated protein consists of an amino acid sequence selected from the group consisting of:

(a) the amino acid sequence as shown in SEQ ID NO: 31;

(b) an amino acid sequence derived from the amino acid sequence as shown in SEQ ID NO: 31 by deletion, substitution, or addition of one or several amino acid residues;

(c) the amino acid sequence as shown in SEQ ID NO: 61; and

(d) an amino acid sequence derived from the amino acid sequence as shown in SEQ ID NO: 61 by deletion, substitution, or addition of one or several amino acid residues,

and wherein said fragment comprises the amino acid sequence of the peptide according to claim 29.

31. (New) A fusion protein, having activity of a transcriptional repressor, that comprises (i) the peptide according to claim 29 or the protein according to claim 30 and (ii) a transcription factor.

32. (New) A gene encoding the peptide according to claim 29.
33. (New) A gene encoding the protein according to claim 30.
34. (New) A gene encoding the fusion protein according to claim 30.
35. (New) A recombinant vector comprising the gene according claim 32.
36. (New) A transformant expressing the gene according to claim 32.
37. (New) A transformed plant expressing the gene according to claim 32.
38. (New) A recombinant vector comprising the gene according to claim 33.
39. (New) A transformant expressing the gene according to claim 33.
40. (New) A transformed plant expressing the gene according to claim 33.
41. (New) A recombinant vector comprising the gene according to claim 34.
42. (New) A transformant expressing the gene according to claim 34.
43. (New) A transformed plant expressing the gene according to claim 34.